

DERWENT- 1991-019119

ACC-NO:

DERWENT- 199103

WEEK:

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TITLE: Interior material for motor car - comprises  
needle-punched nonwoven cloth of synthetic resin  
fibre and thermoplastic resin coating

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PRIORITY-DATA: 1989JP-0111355 (April 28, 1989)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 02292035	A December 3, 1990	N/A	000	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 02292035	A/N/A	1989JP-0111355	April 28, 1989

INT-CL B32B027/12, B60R013/02 , D06M015/00 , D06M021/00  
(IPC): , D06M023/12

ABSTRACTED-PUB-NO: JP 02292035A

BASIC-ABSTRACT:

An interior material comprises needle-punched nonwoven  
cloth of synthetic resin fibre and a coating layer  
comprising a thermoplastic resin dispersed with  
microcapsules encapsulating a solvent having high  
solubility of polypropylene resin.

Specifically the fibre is e.g. polyester polypropylene, Nylon acrylate and pref. polyester fibre in view of light fastness, heat-resistance, dimensional stability and inexpensiveness. The nonwoven sheet has fibres bonded with a thermoplastic bonder (e.g. polyacrylate resin, styryl/butadiene rubber, acrylonitrile/butadiene rubber, polyester, vinyl acetate resin, acrylate ester/styrol copolymer, vinyl chloride/styrol copolymer, vinyl chloride/ethylene copolymer, polyolefin, etc.). The microcapsules are prepd. by encapsulating e.g. perchloroethylene, pentachloroethylene, toluene, xylene, cyclohexane, n-hexane, benzene, n-decane, etc.) with thermoplastic resin (e.g. acrylate resin, polyester, Nylon, polyolefin, PVAC, styryl/acrylate ester copolymer, etc.) having a softening pt. = upto 140 deg.C.

USE/ADVANTAGE - The interior material is used for laminating with foamed polypropylene sheet for a ceiling, door trim, rear package, trunk room, etc, providing high adhesion with the foamed polypropylene layer.

CHOSEN- Dwg.0/1

DRAWING:

TITLE- INTERIOR MATERIAL MOTOR CAR COMPRISE NEEDLE

TERMS: PUNCH NONWOVEN CLOTH SYNTHETIC RESIN FIBRE

THERMOPLASTIC RESIN COATING

DERWENT-CLASS: A94 A95 F07 P73 Q17

CPI- A04-G03E; A12-B02; A12-S04A2; A12-S05G; A12-T04B;

CODES: A12-W05; F02-C01; F03-E01; F04-E03;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key	0009	0209	0210	0231	0232	0233	0241	0248	0306
Serials:	3159	0367	0368	0376	3170	0486	0487	0495	0761
	0787	0788	1095	1283	1288	1291	2440	2486	2522
	2528	2536	2537	2575	2600	2602	2604	3252	2667
	2682	2723	2729	2820	2828	3300	2829	2847	
Multipunch	014	032	034	04-	041	046	047	050	055
Codes:	063	064	066	067	072	074	076	081	117
	144	27&	32&	331	353	42&	431	440	445
								477	481
									483

49- 491 502 532 537 54& 541 542 57& 597 600 604  
608 609 62& 664 665 672 677 688

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1991-008174

Non-CPI Secondary Accession Numbers: N1991-014682